

March 6, 1995

Mr. Lawrence Pollex
Director of Municipal Utilities
City of Perth Amboy
260 High Street
Perth Amboy, NJ 08861

Re: 206020 City of Perth Amboy
Air Stripping Tower

Dear Mr. Pollex:

In light of NJDEP's proposal to shut down the Stripping Tower, our office has reviewed permits issued by the Bureau of Safe Drinking Water for the installation and operation of the Air Stripping Tower facilities and replacement Well No. 6A at the Runyon Watershed. The permits have been attached for your review.

Potable Water Supply Permit No. W-11-92-4625 (PWS-ID No. 1216001) was issued by the Bureau of Safe Drinking Water on February 25, 1993. The permit was issued to construct additions and alterations to the existing Runyon Water Treatment facilities to remove VOC's from water derived from Well No. 6 based on plans and specifications entitled "Runyon Water Treatment Plant, Well No. 6 Treatment Facilities" dated November, 1992. An amendment to the permit was issued on May 11, 1993 which allowed the elimination of iron removal equipment prior to the packed aeration column as part of the treatment train, in accordance with the plans and specifications titled "Well No. 6 Air Stripping Tower" dated April, 1993.

The permits contain a Specific Condition as follows:

"1.) Permittee shall physically disconnect Well No. 6 discharge pipe from the Well No. 7 and Well No. 8 discharge pipe."

Potable Water Supply Permit No. W-09-93-4867 (PWS-ID No. 1216001) was issued by the Bureau of Safe Drinking Water on August 2, 1994. The permit was issued to construct a new water supply comprised of Replacement Well No. 6A at the Runyon Watershed based on plans and specifications entitled "Well No. 6 Reconstruction" dated July, 1993. This permit contains the following Specific Condition:

507656



"1.) Permittee must notify the NJDEP - Bureau of Safe Drinking Water prior to any intentional bypass of the packed column aeration treatment. The bypass cannot put the public water supply in jeopardy by exceeding maximum contaminate levels."

The original intention of the Contract Documents was to include a "tee" in the Well No. 6 Air Stripping Tower influent piping to allow a connection between the Well No. 6A discharge piping and the discharge transmission piping from Wells No. 7 and 8. However, as per the NJDEP Permit Specific Conditions outlined above, the "tee" was eliminated from the design and a hard piped connection from Well No. 6A to the Air Stripping Tower influent piping was facilitated by installation of a 90° bend and capping/abandoning the existing connection in accordance with the attached details.

The design of Replacement Well No. 6A also considered the Specific Conditions of the Air Stripping Tower permit and the Well No. 6A static head was based upon the influent elevation of the Air Stripping Tower. The well pump must be modified if it is to pump directly into the Treatment Plant bypassing the Stripping Tower.

Therefore, prior to eliminating flow through the Air Stripping Tower facility, two (2) major conditions must be addressed.

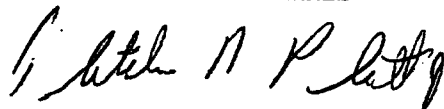
1. The Bureau of Potable Water must allow the Stripping Tower to be bypassed and they must modify the Permit.
2. The Well No. 6A pump must be analyzed for the change in pumping conditions and the pump equipment modified.

The NJDEP should also be reminded that elimination of pumping at Well No. 6A would result in a shift in the contamination plume and the possibility of contamination to supply Wells No. 7 and 8.

If you have any questions or comments concerning this matter, please do not hesitate to contact our office.

Very truly yours,

KILLAM ASSOCIATES



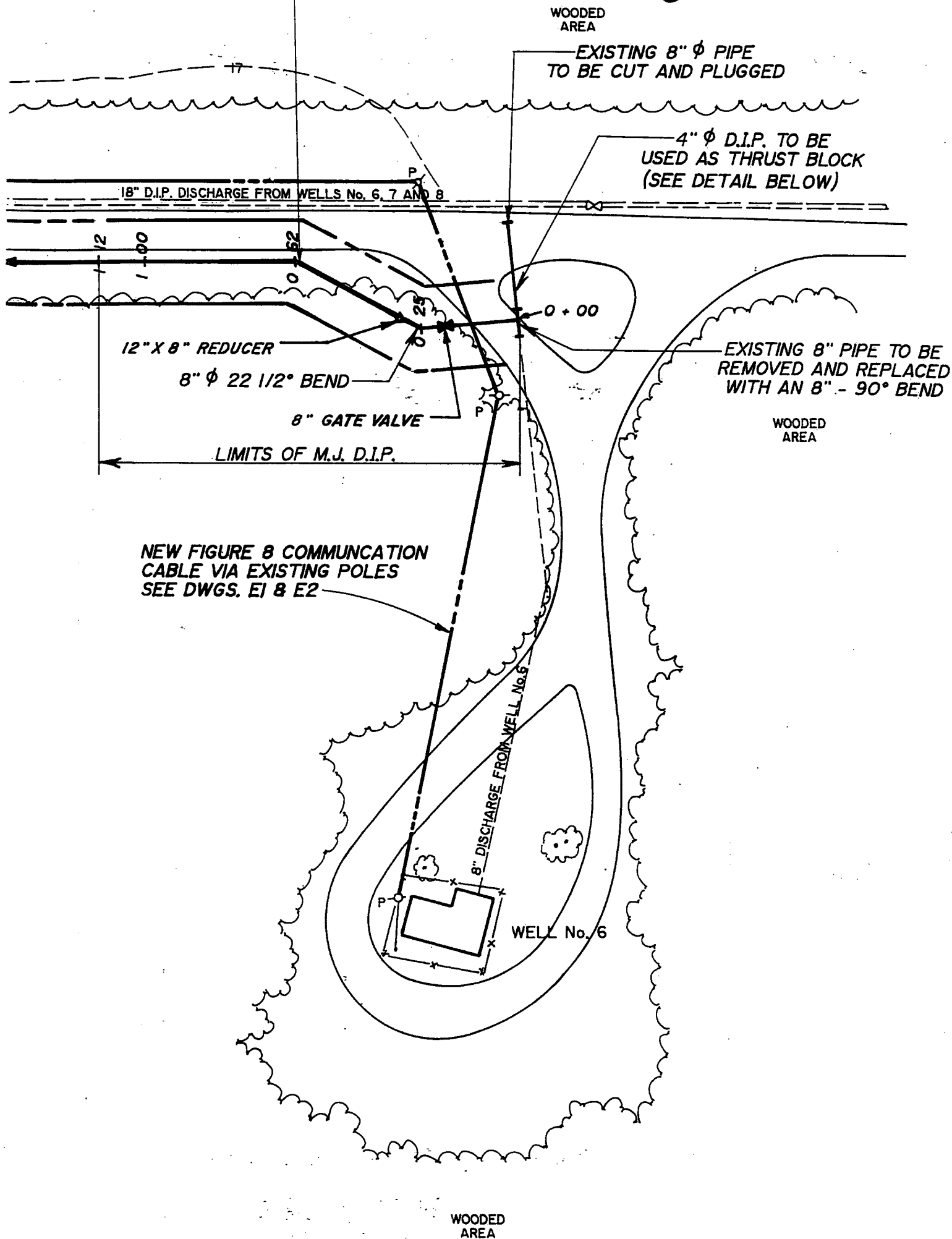
Fletcher N. Platt, Jr., P.E.

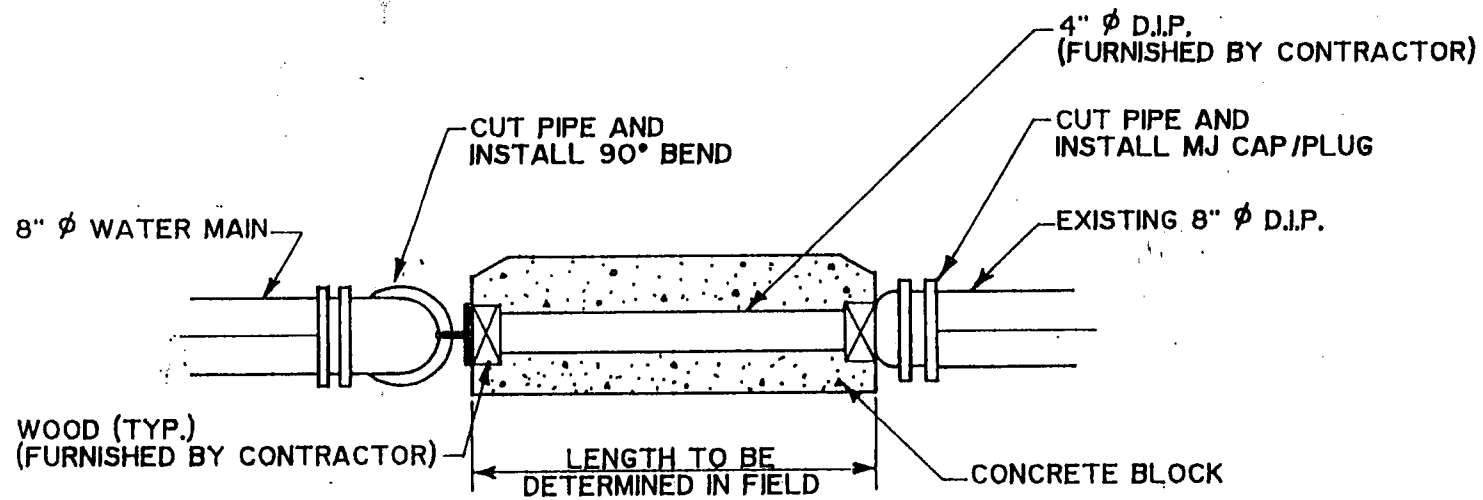
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enc:

L2060200.WP

cc: Joseph J. Maraziti, Jr., Esq.





CUT & CAP DETAIL FOR WATER MAIN ABANDONMENT

NOT TO SCALE



JOSEPH VAS
MAYOR

DEPARTMENT OF MUNICIPAL UTILITIES

CITY OF PERTH AMBOY
PERTH AMBOY, NEW JERSEY 08861

March 10, 1993

MARTIN E. LANGENOHL
DIRECTOR

TURAN RAMADAN
SUPERINTENDENT

Killam Associates
6 Emery Avenue
Randolph, N.J. 07869-1362

Attn: Mr. George Unverzagt

Re: Permit No. W-11-92-4725
VOCs Removal from Well No. 6

Dear Mr. Unverzagt:

Enclosed, please find photo copy of above permit dated February 25, 1993 and received in our office, today.

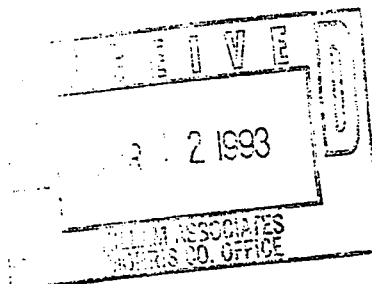
Yours truly,

Martin E. Langenohl
ML

Martin E. Langenohl
Director

MEL:gg

cc: D. Pejakovich





State of New Jersey
Department of Environmental Protection and Energy
Water Supply Element

CN 426
Trenton, NJ 08625-0426
Tel. # 609-292-7219
Fax. # 609-292-1654

Scott A. Welner
Commissioner

Steven P. Nieswand, P.E.
Administrator

February 25, 1993

Perth Amboy Dept. of Municipal Utilities
260 High Street
Perth Amboy, NJ 08861

Gentlemen:

There is enclosed a Permit dated February 25, 1993 issued to you pursuant to Title 58 of the Revised Statutes of New Jersey and in consideration of your application dated November 16, 1992 and signed by Joseph Vas, Mayor.

Your Permit is for the construction of additions and alterations to existing water treatment plant comprising aeration, flocculation, sedimentation and filtration with lime feed and polymer addition for iron removal and aeration by packed column to remove VOCs for water derived from Well No. 6; located in Old Bridge Township (Runyon Water Treatment Plant), County of Middlesex, New Jersey; and for the distribution of water for potable purposes from said works.

Your attention is specifically drawn to the conditions on aforesaid permit. **SPECIAL NOTICE:** Enclosed with this permit is the Construction Certification Report. This report must be submitted as required by General Condition No. 10 of the permit.

Sincerely,

Vincent Monaco, P.E.
Section Chief
Bureau of Safe Drinking Water

PWS-ID NO.: 1216001

W-11-92-4725

Enclosures

cc: Fletcher Platt, Killam Associates
Mayor and Council of Old Bridge Township
Metro Region Enforcement



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
Bureau of Safe Drinking Water
CN 426, Trenton, N.J. 08625-0426



PERMIT*

The New Jersey Department of Environmental Protection and Energy grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No. W-11-92-4725 PWS-ID No.: 1216001	Issuance Date February 25, 1993	Effective Date Issuance Date	Expiration Date N/A
Name and Address of Applicant Perth Amboy Dept. of Municipal Utilities 260 High Street Perth Amboy, NJ 08861		Location of Activity/Facility Old Bridge Township County of Middlesex	
		Type of Permit Potable Water Supply (Conditions Attached)	Statute(s) NJSA 58-12A et. seq.

This permit grants permission to:

1. Construct additions and alterations to existing water treatment plant comprising aeration, flocculation, sedimentation and filtration with lime 1 and polymer addition for iron removal and aeration by packed column to remove VOCs for water derived from Well No. 6; as shown on white prints, twenty-three in number entitled: "RUNYON WATER TREATMENT PLANT WELL NO. 6 TREATMENT FACILITIES" dated November 16, 1992, received November 18, 1992; an Engineer's Report dated October 1992, received November 18, 1992; and according to Specifications entitled: "RUNYON WATER TREATMENT PLANT WELL NO. 6 TREATMENT FACILITIES" dated November 1992, received November 18, 1992; and all approved by the State Department of Environmental Protection and Energy of the State of New Jersey on February 25, 1993; said works to be located in Old Bridge Township (Runyon Water Treatment Plant), County of Middlesex, New Jersey;

2. Distribute water for potable purposes from said works;

This permit is subject to the following specific conditions; 1. The operations of the public water facility shall be under the supervision of an operator or operators who shall possess a valid license or licenses issued by the State Department of Environmental Protection and Energy of the State of New Jersey, classification(s) W-3 and T-4 or equivalent pursuant to the provisions of the Water Supply and Wastewater Operations Licensing Act, N.J.S.A. 58:11-64 et seq.; the Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq.; and the Safe Drinking Water Act, N.J.S.A. 58:12A-1 et seq.; and in accordance with the Licensing of Operators of Wastewater and Water Systems N.J.A.C. 7:10-13 et seq., and the supplements thereof and the amendments thereto.

Additional Specific Conditions attached on page two. ☒ YES [] NO

Approved by the authority of:
Steven Nieswand
Administrator
Water Supply Element

Vincent Monaco

Vincent Monaco, P.E. Section Chief

* The word permit means "approval, certification, registration.

This permit is subject to the following GENERAL CONDITIONS:

1. The permit is revocable, or subject to modification or change, at any time, when in the judgment of the Department of Environmental Protection and Energy of the State of New Jersey such revocation, modification or change shall be necessary.
2. The issuance of this permit shall not be deemed to affect in any way action by the Department of Environmental Protection and Energy of the State of New Jersey on any future application.
3. The works, facilities and/or activities shown by plans and/or other engineering data, which are this day approved, subject to the conditions herewith established, shall be constructed and/or executed in conformity with such plans and/or engineering data and said conditions.
4. No change in plans or specifications shall be made without prior written permission from the Department of Environmental Protection and Energy of the State of New Jersey.
5. The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the Department of Environmental Protection and Energy or the State a party in any suit or question of ownership of property.
6. This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained.
7. A copy of this permit shall be kept at the work site, and shall be exhibited upon request of any person.
8. In the examination of plans and/or other engineering data, the Department of Environmental Protection and Energy of the State of New Jersey does not examine the structural features of the design, such as thickness of concrete or its reinforcement, the efficiency of any electrical or mechanical equipment or apparatus; and the approval herewith given does not include these features.
9. Water distribution by said works shall at all times meet the applicable standards for quality. Additional units for the derivation, treatment and for distribution of the water shall be established if and when required by the State Department of Environmental Protection and Energy of the State of New Jersey.
10. For this permit to remain valid, the facilities approved in this permit shall be constructed and placed into service within three (3) years from the effective date of the permit. Within 30 days of completion of the approved facilities the permittee/engineer shall notify the Department of the completion date and certify that the facilities were constructed in accordance with the approved plans and specifications.

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Permit No.:W-11-92-4725

Issuance Date:February 25, 1993

Applicant: Perth Amboy Dept. of Municipal Utilities

This permit is subject to the following additional specific conditions;

- 1) Permittee shall physically disconnect Well No. 6 discharge pipe from the Well No. 7 and Well No. 8 discharge pipe.



State of New Jersey
Department of Environmental Protection and Energy

Water Supply Element
CN 426
Trenton, NJ 08625-0426
Tel. # 609-292-7219
Fax. # 609-292-1654

Scott A. Weiner
Commissioner

Steven P. Nieswand, P.E.
Administrator

May 11, 1993

E. Killam Associates
6 Emery Avenue
Randolph, New Jersey 07869 - 1362

Attention: Fletcher N. Platt, Jr., P.E.

Dear Sir:

Re: Project No. W-11-92-4725
Perth Amboy Department of Municipal Utilities
City of Perth Amboy, Middlesex County
PWSID# 1216001
Well #6 Treatment Facility

The Bureau of Safe Drinking Water is in receipt of your April 19, 1993 submittal regarding the above referenced permit. Specifically, the submittal proposes to delete the pre packed aeration column iron removal facility as part of the treatment train. Please be advised that the Bureau grants approval for this modification (as shown in thirteen (13) pages of plans, dated April 16, 1993, titled Well No. 6 Air Stripping Tower and specifications dated April, 1993, titled Well No. 6 Air Stripping Tower) under the following conditions:

- 1) Permittee shall conduct a visual inspection of the packed column internals for the effects of scaling and iron precipitation. Inspection shall be done weekly.
- 2) Permittee shall evaluate the effects of scaling and iron precipitation on treated water quality quarterly.
- 3) If the effects of scale and/or iron precipitation have a negative effect on packed column performance, permittee shall provide appropriate treatment (as determined by the Bureau of Safe Drinking Water).

Please attach this letter as a permanent amendment to the above referenced permit. If you have any questions, contact the undersigned at (609) 292-5550.

Sincerely,



Vincent Monaco P.E.

Section Chief

Bureau of Safe Drinking Water

c: Perth Amboy Department of Municipal Utilities
Mayor and Council of Old Bridge Township
Metro Region Enforcement
Janek Preczewski, Bureau of Well Filed Remediation

VM:AD-PERTH:ck